## WE CLAIM:

5

10

20

- 1. A nonwoven abrasive article comprising:
  - (a) a lofty nonwoven substrate having a first surface and an opposite second surface, the first surface and the second surface defining a plurality of peaks and valleys, the first surface and the second surface further defining a thickness, the thickness being substantially constant throughout the substrate; and
  - (b) an abrasive coating comprising a binder and abrasive particles present on at least a portion of the first surface.
- 2. The nonwoven abrasive article according to claim 1, wherein the thickness of the substrate is at least 500 micrometers.
- 15 3. The nonwoven abrasive article according to claim 2, wherein the thickness of the substrate is at least 1 mm.
  - 4. The nonwoven abrasive article according to claim 1, wherein the abrasive coating comprises a make coat and abrasive particles at least partially embedded in the make coat.
  - 5. The nonwoven abrasive article according to claim 1, wherein the abrasive coating further comprises a size coat over the abrasive particles.
- 6. The nonwoven abrasive article according to claim 1, wherein the abrasive coating comprises abrasive particles dispersed throughout a binder.
  - 7. The nonwoven abrasive article according to claim 1, wherein the abrasive coating is present on at least the peaks of the substrate.
- 30 8. The nonwoven abrasive article according to claim 1, wherein the abrasive coating is present in at least the valleys of the substrate.

- 9. The nonwoven abrasive article according to claim 1, further comprising an abrasive coating comprising a binder and abrasive particles present on at least a portion of the second surface.
- 5 10. The nonwoven abrasive article according to claim 1, further comprising a second substrate attached to the second surface of the lofty nonwoven substrate.

10

25

- 11. The nonwoven abrasive article according to claim 10, wherein the second substrate comprises a sponge.
- 12. The nonwoven abrasive article according to claim 10, wherein the second substrate comprises a fabric.
- 13. The nonwoven abrasive article according to claim 1, wherein the abrasive particles have a particle size of at least 10 micrometers.
  - 14. The nonwoven abrasive article according to claim 13, wherein the abrasive particles have a particle size of 50 to 600 micrometers.
- The nonwoven abrasive article according to claim 1, wherein the peaks have a height of at least 0.5 mm.
  - 16. The nonwoven abrasive article according to claim 1, having an overall thickness of at least 3 mm.
  - 17. The nonwoven abrasive article according to claim 1, wherein a peak:valley area ratio is 75:25 to 25:75.
- 18. The nonwoven abrasive article according to claim 17, wherein the peak:valley area ratio is 50:50.

- 19. The nonwoven abrasive article according to claim 1, further comprising a reinforcing scrim.
- 20. The nonwoven abrasive article according to claim 19, wherein the reinforcing scrim is present between the first surface and the opposite second surface of the lofty nonwoven substrate.

5

10

15

20

25

30

- 21. A method of making a nonwoven abrasive article, the method comprising:
  - (a) providing a lofty nonwoven substrate having a first surface and an opposite second surface, the first surface and the second surface defining a plurality of peaks and valleys, the first surface and the second surface further defining a thickness, the thickness being substantially constant throughout the substrate; and
  - (b) providing an abrasive coating comprising a binder and abrasive particles on at least a portion of the first surface of the lofty nonwoven substrate.
- 22. The method according to claim 21, wherein the step of providing an abrasive coating comprises:
  - (a) applying a make coat to the lofty nonwoven substrate; and
  - (b) depositing a plurality of abrasive particles into the make coat.
- 23. The method according to claim 22, wherein the step of providing an abrasive coating further comprises:
  - (a) applying a size coat over the abrasive particles.
- 24. The method according to claim 21, wherein the step of providing an abrasive coating comprises:
  - (a) preparing an abrasive slurry comprising binder and abrasive particles; and
  - (b) applying the abrasive slurry to the lofty nonwoven substrate.
- 25. The method according to claim 24, further comprising:
  - (a) applying a size coat over the abrasive slurry.

- 26. The method according to claim 24, wherein the step of applying the abrasive slurry comprises:
  - (a) applying the abrasive slurry to the peaks and leaving the valleys uncoated.
- 27. The method according to claim 24, wherein the step of applying the abrasive slurry comprises:

5

10

(a) applying the abrasive slurry to the valleys and leaving the peaks uncoated.